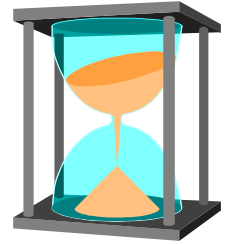# COR Year 2000 Meeting
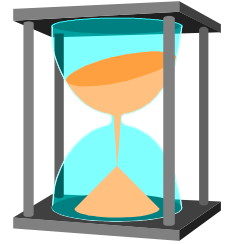
24 Feb 1998

1Lt Joe Pearson
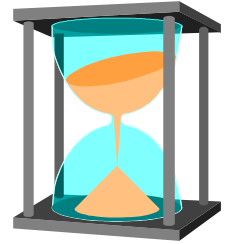
Overview

- Purpose

- Guidance & Policy

- Roles & Responsibilities

- Development Strategy & Issues

- Methodology

- Action Items

Purpose

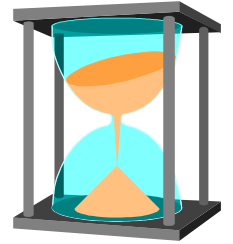- ## 30 Sep 1998 mandate from General Kelley for GCCS Y2K compliance

  - ### ASD/C^{3}I External Interface MOA's (overdue tasker)

  - ### GAO External Interface Survey (Hot)

> ## We must execute now to meet the deadline!
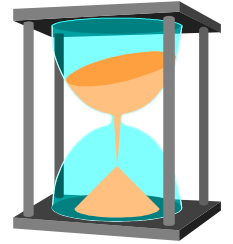
YEAR 2000
Compliance Defined

Federal Acquisition Regulation, Part 39.002 published in Federal Acquisition Circular 90-45

"... information technology that accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries and the years 1999 and 2000 and leap year calculations ...Year 2000 compliant information technology, when used in combination with other information technology, shall accurately process date/time data if the other information technology properly exchanges date/time data with it."
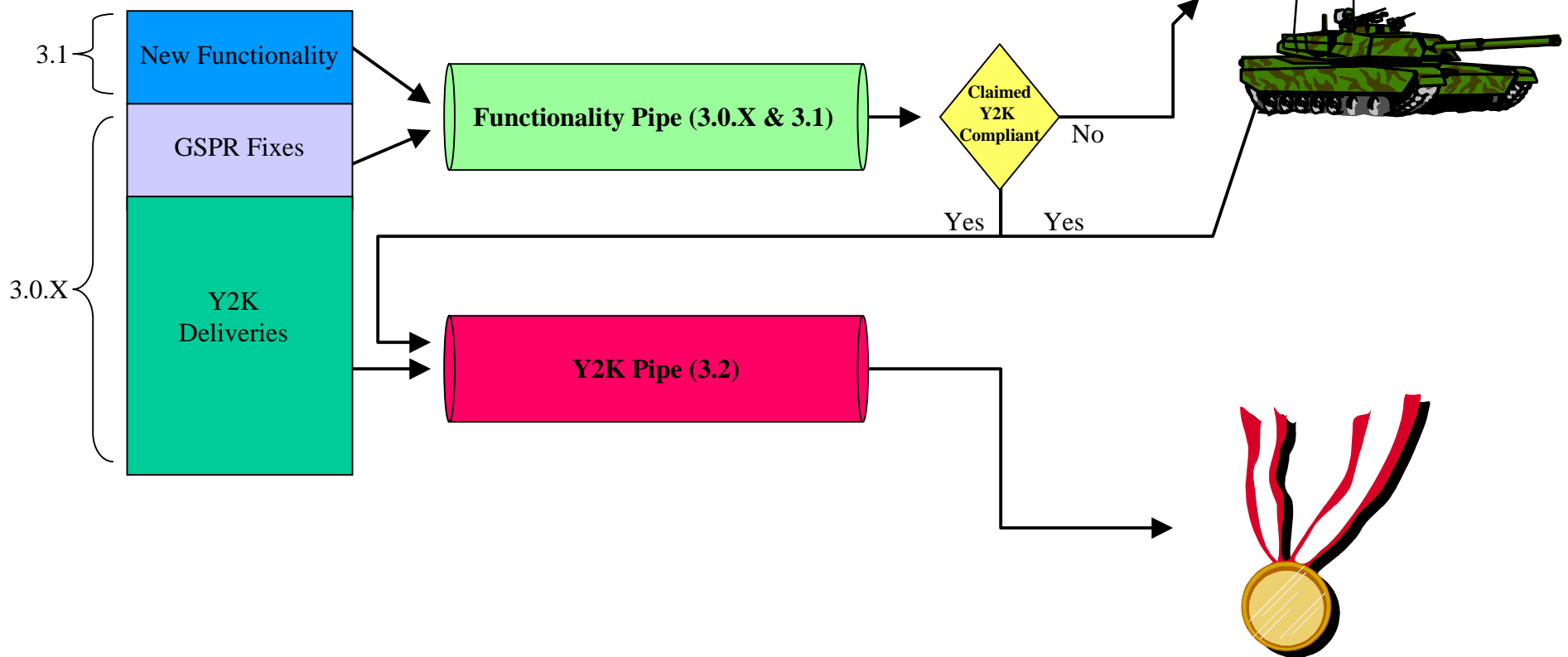
YEAR 2000

Guidance

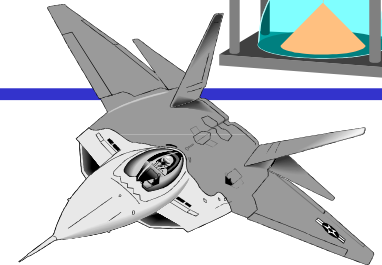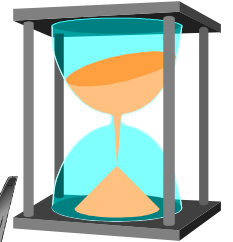- Initial developer guidance meeting Nov. 20
- Stage II developer guidance meeting Jan. 29
- GCCS Y2K Homepage
  - http://spider.osfl.disa.mil/new_home/engineer/y2k.html
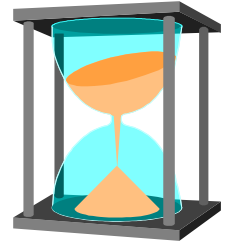   - Frequently Asked Questions

YEAR 2000
Build Policy

3.1 — New Functionality

GSPR Fixes

3.0.X — Y2K Deliveries

Functionality Pipe (3.0.X & 3.1)

Claimed Y2K Compliant

No

Yes   Yes

Y2K Pipe (3.2)

Y2K Compliant

YEAR 2000
Roles & Responsibilities

PM	Engineers	CORs	Developers	CFI

Rqmts → **• Tasking • Program Schedule** →

Engineering Decisions
• Schedule
• Policy

Task Developers
• Set Priorities
• Schedule/Conflict Resolution

Assessment ← Y2K Assessment

• CM • Integrate • Validate Y2K • Package

Monitor & Control

Y2K Renovation

Y2K Validation

• Implement/ Deploy →

Status Reporting ← Status Reporting
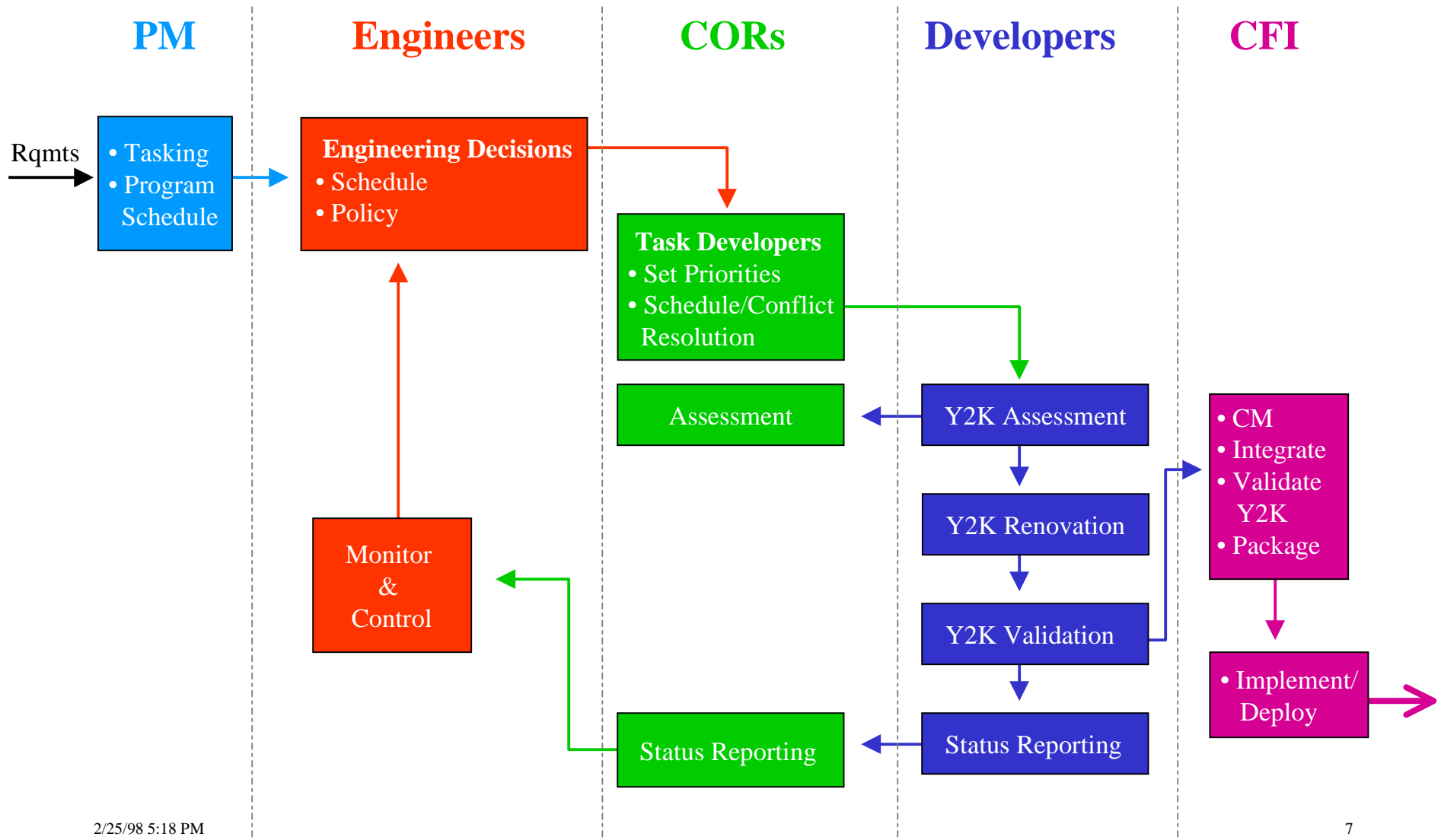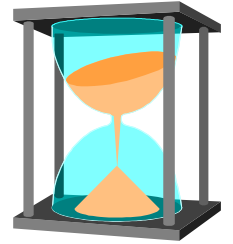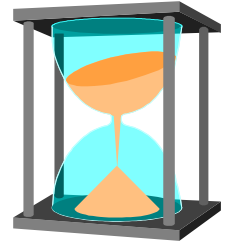
YEAR 2000
Development Strategy

- Assess
  - Determine what is already compliant
  - Identify dependencies(COTS, GOTS, segments)
  - Identify all internal & external interfaces
  - Identify date issues

- Renovate
  - Fix code that is within your control
  - Identify Y2k issues beyond your control & explicitly articulate those issues to GCCS Y2K Engineer for resolution

- Validate
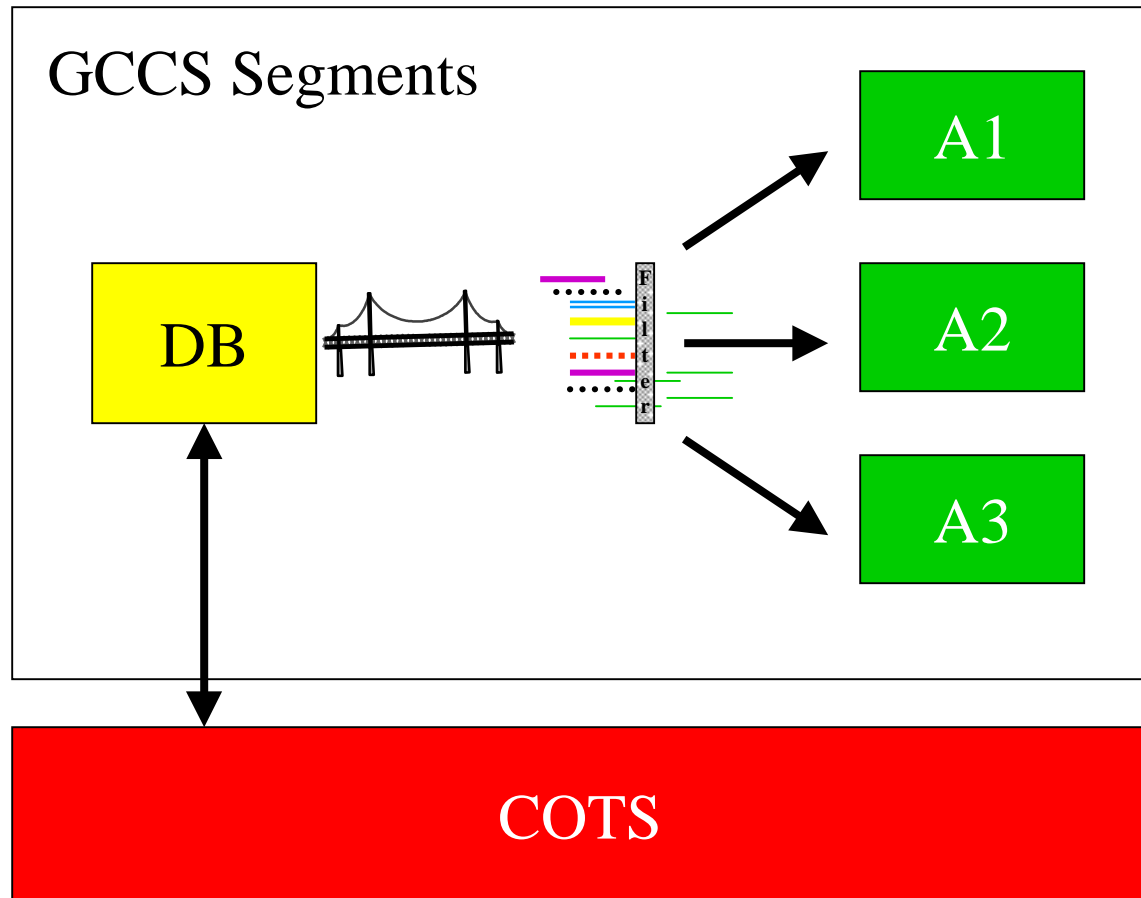 - Develop Y2K test plans & reports
  - Test software

Methodology Example

Options:

- Ensure segments are compliant by bridging & filtering

- Bridge & filter or replace non-compliant COTS segments

GCCS Segments

DB

Filter

A1

A2

A3

COTS

YEAR 2000
Development Issues

- Patches vs. Segment re-coding

- Backward compatibility!

- Have "Y2K knowledgeable" developers deliver segments

Action Items

- Return Urgent Data Call by February 27, 1998

- Return Y2K Assessment by March 5, 1998

- Deliver White Papers as needed

- Register Segments

YEAR 2000
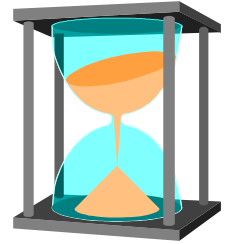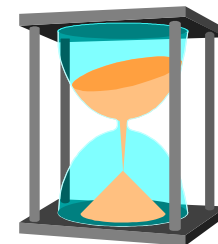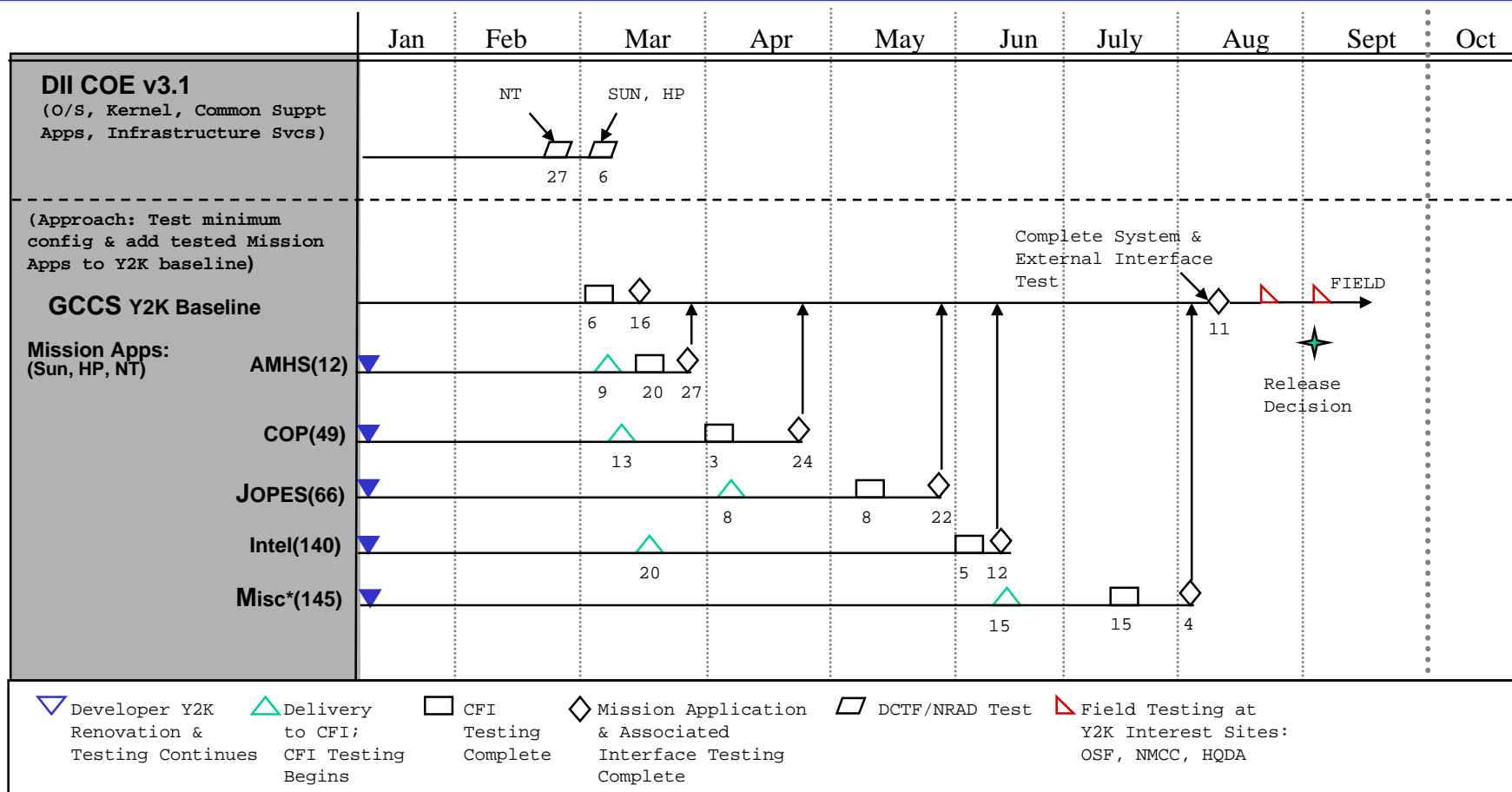
GCCS Y2K Test and Implementation Schedule

Schedule chart spanning Jan through Oct 2000:

DII COE v3.1 (O/S, Kernel, Common Suppt Apps, Infrastructure Svcs)
- NT — 27
- SUN, HP — 6

(Approach: Test minimum config & add tested Mission Apps to Y2K baseline)

GCCS Y2K Baseline — 6, 16; Complete System & External Interface Test; 11; FIELD

Release Decision

Mission Apps: (Sun, HP, NT)
- **AMHS(12)** — 9, 20, 27
- **COP(49)** — 13, 3, 24
- **JOPES(66)** — 8, 8, 22
- **Intel(140)** — 20, 5, 12
- **Misc*(145)** — 15, 15, 4

Legend:
- ▽ Developer Y2K Renovation & Testing Continues
- △ Delivery to CFI; CFI Testing Begins
- ☐ CFI Testing Complete
- ◇ Mission Application & Associated Interface Testing Complete
- ▱ DCTF/NRAD Test
- ◁ Field Testing at Y2K Interest Sites: OSF, NMCC, HQDA

Compliance Strategy: Compliance order: H/W, DII-COE, GCCS Mission Appls incl. External Interfaces. Incremental build & test: Unit, Appls, System.